

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (Currently amended) A device for temporal metering (1) of events, comprising:
 - ~~- a module for real time input (11) of occurrences of physical events,~~
 - a module means for associating access (12) to at least one clock (10), which module is designed to obtain a current time with each input of one of said occurrences occurrence of a physical event,
 - means for summary processing of said occurrences and of the current times so as to produce condensed results;
 - and a module means for recording (15) in at least one metering file (F1-F3), of information containing said pertaining to said occurrences and to the corresponding current times, said information authorizing an at least partial temporal reconstitution of said occurrences,

~~characterized in that said metering device (1) also comprises a module for summary processing (13) of said occurrences and of said current times, which module is designed to produce condensed results (H1, H2), and in that the recording module (15) is designed to record said condensed results (H1, H2) in predefined data structures of prefixed sizes of said metering file (F1-F3), so as to make it possible to keep the size of said file (F1-F3) constant during successive recordings of said information, said information authorizing an at least partial temporal reconstruction of the occurrences.~~
2. (Currently amended) The temporal metering device (1) as claimed in claim 1, ~~characterized in that~~ wherein the summary processing module (13) is designed to produce at least two types of distinct results (H1, H2), at least one of said types of results comprising redundancies with respect to the other types of results, so as to allow checks of consistency of said results (H1, H2).

3. (Currently amended) The temporal metering device (1) as claimed in claim 2, ~~characterized in that~~ wherein the summary processing module (13) is designed so that the said types of results (H1, H2) provide complementary information.

4. (Currently amended) The temporal metering device (1) as claimed in claim 3, ~~characterized in that~~ wherein the said types of results comprise:

- a first type of results (H1) consisting of numbers (Ni) of the said occurrences per slot (~~PEi~~) of durations of gaps (~~Δt~~) between two of the said consecutive occurrences
- and a second type of results (H2) consisting of numbers (N'j) of the said occurrences per consecutive time slot (PTj) of a predetermined period (P).

5. (Currently amended) The temporal metering device (1) as claimed in claim 4, ~~characterized in that~~ wherein the said slots (~~PEi~~) of durations of gaps of the first type of results (H1) have amplitudes increasing not strictly with the said durations (~~Δt~~).

6. (Currently amended) The temporal metering device (1) as claimed in ~~any one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the said physical events comprise calls to a piece of software situated on a source machine by appliances able to communicate with the said machine.

7. (Currently amended) The temporal metering device (1) as claimed in ~~any one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the said physical events comprise telephone calls.

8. (Currently amended) The temporal metering device (1) as claimed in ~~any one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the said physical events comprise predefined maneuvers in a motor vehicle.

9. (Currently amended) The temporal metering device (1) as claimed in ~~any one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the said physical events comprise uses of computer functionalities available on a machine and liable to undergo malfunctions on account of technical problems.

10. (Currently amended) A method of temporal metering of events comprising the steps of:

~~, in which occurrences of physical events are flagged in real time, at least one clock (10) is accessed so as to obtain associating a current time of with each input of occurrence of a physical event each of said occurrences and information pertaining to said occurrences and to the corresponding current times is recorded in at least one metering file (F1-F3), said information authorizing an at least partial temporal reconstitution of said occurrences,~~
~~characterized in that a summary processing of said occurrences and of said current times is performed automatically, so as to produce condensed results,~~
recording in at least one metering file, (H1, H2) and in that said information is recorded in the form of said containing the condensed results (H1, H2), in predefined data structures of prefixed sizes of said metering file (F1-F3), so as to make it possible to keep the size of the said file (F1-F3) constant during successive recordings of the said information,
~~said method preferably being implemented by means of a metering device (1) as claimed in any one of claims 1 to 9~~
the information authorizing an at least partial temporal reconstruction of the occurrences.

11. (Currently amended) A device for temporal analysis (2) of events on the basis of at least one metering file (F1-F3) obtained by means of a metering device (1) in accordance with as claimed in claim 2 and in any one of claims 2 to 9, comprising:

- a module for extracting (21) the results (H1, H2) recorded in the said file (F1-F3),
- a module for verifying consistencies (22) of the results respectively of the said types of results (H1, H2),
- and a module for producing (23) a warning signal (S) intended for a user in the case of inconsistency of the said results (H1, H2).

12. (Currently amended) The temporal analysis device (2) as claimed in claim 11, ~~characterized in that~~ wherein the said metering file (F1-F3) being obtained by means of a metering device (1) ~~as claimed in claim 3 and in any one of claims 3 to 9~~, said temporal analysis device (2) also comprises:

- a module (24) for inputting requests of a user, the said requests pertaining to temporal cues relating to the occurrences of the said events,
- a module for combined processing (25) of the said types of results (H1, H2), which module is designed to produce said temporal cues as a function of the said information recorded,
- and a module for presenting (26) said temporal cues to the said user.

13. (Currently amended) A method of temporal analysis of events on the basis of at least one metering file (F1-F3) obtained by a means of a metering device (1) in accordance with ~~as claimed in claim 2 and in any one of claims 2 to 9~~, in which:

- results (H1, H2) recorded in the said file (F1-F3) are extracted,
 - the consistencies of the results respectively of the said types of results (H1, H2) are verified automatically,
 - and a warning signal (S) intended for a user in the case of inconsistency of the said results (H1, H2) is produced;
- ~~said method preferably being implemented by means of a temporal analysis device (2) as claimed in either of claims 11 and 12.~~

14. (Currently amended) A computer program product comprising program code instructions for the execution of the steps of the method as claimed in ~~either one of claims 10 and 13~~ claim 10 when the said program is executed on a computer.